

TIDELANDS INFRASTRUCTURE MASTER PLAN

PRELIMINARY WORKING DRAFT: January 18, 2012

|                                  |   |             |                 | 30 Year        |                      |                      |
|----------------------------------|---|-------------|-----------------|----------------|----------------------|----------------------|
| Category                         | Project Name  | Time Frame  | Cost per action | Projected Cost | NB City Contribution | Contributing Partner |
| Dredging                         | Rhine Channel   | 2011-12     | \$4,500,000     | \$4,500,000    | \$4,500,000          | Army Corp            |
|                                  | Lower Newport Bay - 1.2 million cy <i>(Assumes City Contribution of \$2.5M for 2011-12)</i> | 2011-15     | \$2,500,000     | \$2,500,000    | \$2,500,000          |                      |
|                                  | Lower Newport Bay Maintenance Dredging <i>(Yearly Reserve for Periodic Maintenance)</i>     | Periodic    | \$4,300,000     | \$17,200,000   | \$17,200,000         |                      |
|                                  | RGP-54 Dredging Permit <i>(Renewed every 5 years)</i>                                       | Every 5 yrs | \$400,000       | \$2,525,000    | \$2,525,000          |                      |
|                                  | Grand Canal   | 2012-13     | \$500,000       | \$500,000      | \$500,000            |                      |
|                                  | Newport Channel / Seminouk Slough <i>(Assumes City Contribution of \$500,000)</i>           | 2012-13     | \$700,000       | \$700,000      | \$500,000            | Linda Isle residents |
|                                  | West Newport <i>(Newport Island Area)</i>   | 2013-15     | \$3,500,000     | \$3,500,000    | \$3,500,000          |                      |
|                                  | Linda Isle / Harbor Island Channel <i>(City Responsibility)</i>                             | 2011-12     | \$230,000       | \$230,000      | \$230,000            |                      |
|                                  | Linda Isle Inner Lagoon <i>(Linda Isle Responsibility)</i>                                  | 2012-13     | \$4,000,000     | \$4,000,000    | \$0                  |                      |
|                                  | Upper Bay Maintenance Dredging <i>(Yearly Reserve for Project in 20 Years)</i>              | 2012-42     | \$2,200,000     | \$2,200,000    | \$2,200,000          |                      |
| Eelgrass                         | Newport Harbor Specific Eelgrass Plan   | 2010-12     | \$75,000        | \$75,000       | \$75,000             |                      |
|                                  | Eelgrass Contribution <i>(To Support Newport Harbor Specific Plan)</i>                      | 2011-2014   | \$30,000        | \$30,000       | \$30,000             |                      |
|                                  | Eelgrass Survey - Shoreline   | Every 2 yrs | \$45,000        | \$675,000      | \$675,000            |                      |
|                                  | Eelgrass Survey - Main Channels   | Every 5 yrs | \$25,000        | \$150,000      | \$150,000            |                      |
| Beach Replenishment              | Balboa Island Beaches <i>(tractor work every summer)</i>                                    | Yearly      | \$20,000        | \$620,000      | \$620,000            |                      |
|                                  | Balboa Island Groins  | 2011-2015   | \$75,000        | \$250,000      | \$250,000            |                      |
|                                  | Balboa Island Storm Drains  |             | \$0             | \$0            | \$0                  |                      |
|                                  | China Cove Beach <i>(Tractor Work and Import)</i>   | Yearly      | \$12,000        | \$372,000      | \$372,000            |                      |
|                                  | Lido Isle Beaches <i>(City Responsibility?)</i>   |             | \$0             | \$0            | \$0                  | ???                  |
|                                  | Surfside / Sunset <i>(City Contribution)</i>  | Every 5 yrs | \$200,000       | \$1,200,000    | \$1,200,000          |                      |
|                                  | Ocean Beach Groin Field Replenishment <i>(Tractor Sand Back-Passing From River Mouth)</i>   | Every 5 yrs | \$600,000       | \$3,600,000    | \$3,600,000          |                      |
|                                  | Little Corona Beach <i>(Tractor Work and Import)</i>  | Every 3 yrs | \$50,000        | \$500,000      | \$500,000            |                      |
| Expenditure Sub Totals           |   |             |                 | \$45,327,000   | \$41,127,000         | \$4,200,000          |
| Oil Wells                        | Explore Opportunities for Increased Revenue Stream  |             |                 |                |                      |                      |
| Sea Level Change -               | Balboa Island Bulkhead Assessment Report  |             |                 | \$0            |                      |                      |
|                                  | Estimate - Balboa Island Seawall replacement  |             | \$58,000,000    | \$58,000,000   |                      |                      |
| Bulkhead Height                  | All Other City Bulkheads <i>(Street Ends)</i>   |             |                 | \$0            |                      |                      |
|                                  | Raise Current Standard from +9 MLLW to ≥ +10 MLLW   |             |                 | \$25,000       |                      |                      |
|                                  | Study Improved Protection in Areas With No Seawalls <i>(Beaches)</i>                        |             |                 | \$0            |                      |                      |
| Harbor Amenities & Services      | Mooring Support Service Center at:  |             |                 | \$0            |                      |                      |
|                                  | 1) Balboa Yacht Basin   |             |                 | \$50,000       |                      |                      |
|                                  | 2) Marina Park  |             |                 | \$0            |                      |                      |
|                                  | Visitor Serving Dock at:  |             |                 |                |                      |                      |
|                                  | 1) Lido Bridge  | 2012-13     |                 | \$150,000      |                      |                      |
|                                  | 2) Balboa Marina <i>(Near PCH Bridge)</i>   | 2012-13     |                 | \$250,000      |                      |                      |
|                                  | Public Docks - Float & Gangway Replacement  | 2012-17     |                 | \$750,000      |                      |                      |
|                                  | Public Docks - Maintenance  | Yearly      |                 | \$300,000      |                      |                      |
|                                  | Public Restrooms - Harbor   |             |                 | \$0            |                      |                      |
|                                  | Public Restrooms - Ocean  |             |                 | \$0            |                      |                      |
|                                  | Maintaining Critical Marine-Related Businesses at:  |             |                 |                |                      |                      |
|                                  | 1) Mariner's Mile   |             |                 | \$0            |                      |                      |
|                                  | 2) Rhine Channel  |             |                 | \$0            |                      |                      |
|                                  | 3) Lido Marina Village  |             |                 | \$0            |                      |                      |
|                                  | Mariner's Mile Walkway  |             |                 | \$0            |                      |                      |
|                                  | Big Boat Docking at Lido Marina Village   |             |                 | \$0            |                      |                      |
|                                  | Mooring Management <i>(Harbor Patrol)</i>   |             |                 | \$8,715,000    |                      |                      |
| Beach / Other Harbor Maintenance | Mooring Re-Alignment with Updated Boundaries  | 2012-13     |                 | \$75,000       |                      |                      |
|                                  | Water Taxi  |             |                 | \$0            |                      |                      |
|                                  | Water Recreational Uses <i>(Swimming, Standup Paddle, kayaks, etc...)</i>                   |             |                 | \$0            |                      |                      |
|                                  | Log Boom at North Star Beach <i>(Yearly Maintenance)</i>                                    | Yearly      |                 | \$132,000      |                      |                      |

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|  | Beach Maintenance <i>(City Crews)</i>  | Yearly     |                 | \$0            |                      |                      |
|  | Little Island Bridge Retrofit  |            |                 | \$0            |                      |                      |
|  | Abandoned Vessel Destruction   | Yearly     |                 | \$620,000      |                      |                      |
|  | Pier Facilities @ Ocean Beaches <i>(Repairs, Renovations etc...)</i>                           |            |                 | \$0            |                      |                      |
| Tidelands Support Facilities<br>(Lifeguards) | Junior Guards Permanent Home   | 2013-14    |                 | \$500,000      |                      |                      |
|  | Lifeguard HQ - Renovation  | 2013-14    |                 | \$1,600,000    |                      |                      |
| Water Quality                                | Selenium   |            |                 | \$0            |                      |                      |
|  | Other TMDLs  |            |                 | \$0            |                      |                      |
|  | Copper   |            |                 | \$0            |                      |                      |
|  | Big Canyon   |            |                 | \$0            |                      |                      |
|  | Water Quality Master Plan, Attachment 1 <i>(Previously Approved)</i>                           |            |                 | \$0            |                      |                      |
| Habitat Restoration                          | Upper Bay Relationships <i>(County, DFG, Newport Bay Conservancy)</i>                          |            |                 | \$0            |                      |                      |
|  | "Lower Bay Conservancy Group"  |            |                 | \$0            |                      |                      |
|  | Back Bay Science Center, Muth Center   |            |                 | \$0            |                      |                      |
|  | Balboa Peninsula Sand Dunes  |            |                 | \$0            |                      |                      |
|  | Marine Conservation Area   |            |                 | \$0            |                      |                      |
|  | Buck Gully - Divert Water Flow off Little Corona   |            |                 | \$0            |                      |                      |
|  | Revisit Past Studies in ASBS <i>(Reestablishing Rock Weed, Impact of Foot Traffic, etc...)</i> |            |                 | \$0            |                      |                      |
|  | West Newport:  |            |                 | \$0            |                      |                      |
|  | 1) Banning Ranch Restoration Activities  |            |                 | \$0            |                      |                      |
|  | 2) Orange Coast River Park Activities  |            |                 | \$0            |                      |                      |
|  |  |            |                 | \$161,821,000  |                      |                      |